nature by a distinct mRNA, said hormone being human FSH, the alpha subunit of said hormone being encoded by said first expression vector and the beta subunit being encoded by said first expression vector or a second expression vector.

~~19.~~ 17. The cell of claim ~~18~~, further comprising a second expression vector encoding the beta subunit of said hormone.

~~20.~~ 8. ~~The~~ A mammalian cell of progeny in accordance with claim ~~19~~ 7, said second expression vector being autonomously replicating.

~~21.~~ 2. ~~The~~ A mammalian cell of progeny in accordance with claim ~~18~~ 1, said first vector being a plasmid.

~~22.~~ 3. ~~The cell of~~ A mammalian cell of progeny in accordance with claim ~~18~~ 1, the alpha and beta subunits of said heterodimeric hormone being encoded by said first expression vector.

~~23.~~ 4. ~~The~~ A mammalian cell of progeny in accordance with claim ~~18~~ 1, transcription of the alpha and beta subunits of said heterodimeric hormone being under the control of the mouse metallothionein promoter.

~~24.~~ 5. ~~The~~ A mammalian cell of progeny in accordance with claim ~~18~~ 1, said cell being a mouse cell.

~~25.~~ 6. ~~The~~ A mammalian cell of progeny in accordance with claim ~~18~~ 1, said first expression vector being autonomously replicating.

~~26.~~ 23. A method for producing the biologically active human fertility hormone FSH comprising culturing host mammalian cells comprising a first expression vector encoding the beta subunit of said FSH and a second expression vector encoding the alpha subunit of said FSH.

~~27.~~ 24. The method of claim ~~31~~, wherein each said expression vector is autonomously replicating.--

REMARKS

Claims ~~18-27~~ 16-25 presently appear in this case. The present preliminary amendment is being filed to expedite allowance of this